BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

Agency	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
	EIRL - 3
Approved Amount	8747273.00
Name of Contractor:-	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Tender premium:-	+4.98% (Above)

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
3	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	51.22	16408.37	840450.04	Additonal Item	No	-	Data Rate	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
5	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge	Cum	12.71	84.30	1071.08	Additonal Item	No	-	Yes	
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	2.54	6614.58	16808.64	Additonal Item	No	-	Yes	
7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	40.12	6790.11	272392.93	Additonal Item	No	-	Yes	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	17.21	6180.38	106364.88	Additonal Item	No	-	Yes	
9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/ Kankar /Moorum. (Tipper 5.5 m3)	Cum	12.71	136.26	1731.34	Additonal Item	No	-	Yes	
10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.km	16.26	110.86	1802.94	Additonal Item	No	-	Yes	
	TOTAL EIRL AMOUNT				**1240621.84**					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{1240621.84}{8747273.00}$ x100 = **14.18 %**

Asst Engineer

Asst.Executive Engineer

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

WORKSLIP - 3

Approved Amount	**8747273.00**
Name of Contractor:-	**Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064**
Tender premium:-	**+4.98% (Above)**

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in Upto Previous RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	278.31	323.13	89930.31	439.40	347.89	323.13	112412.89	91.51	295.92	27079.72	139492.61	49562.30	36081.24	13481.06	0.00	
32	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and directions of Engineer incharge of work.	Sqm	363.60	2329.93	847162.55	376.56	376.56	2329.93	877369.39	0.00	0.00	0.00	877369.39	30206.84	15573.25	14633.59	0.00	
38	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour,complete as per specifications and directions of Engineer incharge of work.	Nos	3.00	1548.75	4646.25	4.00	3.75	1548.75	5807.81	0.25	1548.75	387.19	6195.00	1548.75	0.00	1548.75	0.00	

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No.	Description of Work	Unit	Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in Upto Previous RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
39	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Cum	0.16	99324.01	15891.84	0.24	0.20	99324.01	19864.80	0.04	99324.01	3893.50	23758.30	7866.46	0.00	7866.46	0.00	
41	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Sqm	1.89	5362.80	10135.69	3.96	2.36	5362.80	12669.62	1.60	5353.73	8552.58	21222.20	11086.50	0.00	11086.50	0.00	
46	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	6.69	109.98	735.77	8.76	8.36	109.98	919.71	0.40	109.98	43.72	963.42	227.66	0.00	227.66	0.00	
47	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on	Sqm	44.55	5041.94	224618.43	48.51	48.51	5041.94	244584.51	0.00	0.00	0.00	244584.51	19966.08	0.00	19966.08	0.00	

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No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in Upto Previous RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
48	Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of Engineer incharge of work.	Kg	935.55	121.31	113491.57	1089.96	1089.96	121.31	132223.41	0.00	0.00	0.00	132223.41	18731.84	0.00	18731.84	0.00	
	Grand total				**1306612.41**				**1405852.14**			**39956.70**	**1445808.84**	**139196.43**		**87541.95**	**0.00**	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(87541.95/8747273)x100 =1.00%

Percentage of Workslip **1.00%**

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

Agency	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

RATE ANALYSIS - 3

Approved Amount	17475749
Tender premium:-	+4.98% (Above)

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW	Total Rate	Add T.P (+)4.98%	Final Rate.
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Cum	Pg No.116 of KPWD S.R 2018-19	15.16	261.00	0	261.00	20.88	281.88	14.04	295.92
38	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour,complete as per specifications and directions of Engineer incharge of work.	Nos	Pg No.60 of KPWD S.R 2018-19	9.8	1366.00	0	1366.00	109.28	1475.28	73.47	1548.75
39	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Cum	Pg No.53 of KPWD S.R 2018-19	9.11	87604.00	0	87604.00	7008.32	94612.32	4711.69	99324.01
41	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.	Sqm	Pg No.53 of KPWD S.R 2018-19	9.15	4722.00	0	4722.00	377.76	5099.76	253.97	5353.73
46	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	Pg No.121 of KPWD S.R 2018-19	15.60.1	97.00	0	97.00	7.76	104.76	5.22	109.98

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW	Total Rate	Add T.P (+)4.98%	Final Rate.
E3	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	Data Rate		15630.00	0	15630.00	-	15630.00	778.37	16408.37
E5	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge	Cum	Pg No.8 of KPWD S.R 2021-22	1.14.1	73.00	0	73.00	7.3	80.30	4.00	84.30
E6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No.15 of KPWD S.R 2021-22	2.1.4	5728.00	0	5728.00	572.8	6300.80	313.78	6614.58

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW	Total Rate	Add T.P (+)4.98%	Final Rate.
E7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No.17 of KPWD S.R 2021-22	2.4.1	5880.00	0	5880.00	588	6468.00	322.11	6790.11
E8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	Pg No.9 of KPWD S.R 2021-22	5.4	5352.00	0	5352.00	535.2	5887.20	293.18	6180.38
E9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3)	Cum	Pg No.3 of KPWD S.R 2021-22	1.1A	118.00	0	118.00	11.8	129.80	6.46	136.26
E10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.km	Pg No.3 of KPWD S.R 2021-22	1.4A	96.00	0	96.00	9.6	105.60	5.26	110.86

Asst Engineer

Executive Engineer

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